

INTERNATIONAL SEARCH REPORT

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International Application No.
PCT/EP 03/06034

10/516540

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C25D15/00 H01R13/03 C25D7/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) IPC 7 C25D H01R		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE WPI Section Ch, Week 199921 Derwent Publications Ltd., London, GB; Class L03, AN 1998-205933 XP002219395 & SE 510 043 C (ABB RES LTD), 12 April 1999 (1999-04-12)	1-5, 8, 14-19
A	abstract	9, 13, 20
X	WO 98 23444 A (LEARONAL INC) 4 June 1998 (1998-06-04) page 12, line 3-7 page 13, line 1 -page 14, line 7	1-3, 6-8, 16, 17, 19
A	page 24, paragraph 1	11, 13, 20
-/-		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family		
Date of the actual completion of the international search 6 November 2003		Date of mailing of the international search report 14/11/2003
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Zech, N

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X A	US 6 360 437 B1 (ITOH SHIGENORI ET AL) 26 March 2002 (2002-03-26) claims 1,7-10,12 column 6, line 4-12 ---	1,2,4-8, 11,12, 14-16, 18,19 13,20
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X A	EP 0 630 993 A (SUMITOMO METAL IND) 28 December 1994 (1994-12-28) page 3, line 57 -page 4, line 24 page 6, column 3-6 page 10, line 36 claim 7	17 1, 3, 6, 9-11, 13, 20
A	DE 197 02 366 A (TOYODA GOSEI KK) 7 August 1997 (1997-08-07) abstract column 1, paragraph 2 column 5, line 42-58	1-6, 13-18, 20
A	US 6 319 308 B1 (MCCOMAS EDWARD) 20 November 2001 (2001-11-20) column 1, paragraph 1 column 2, paragraphs 4, 6 column 3, line 19-23 column 4, line 10-14 example 1	1, 3-8, 13-15, 17, 18, 20
A	DE 43 41 537 A (FORD WERKE AG) 9 June 1994 (1994-06-09) abstract figure 111	1, 13, 14, 16-18, 20
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